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Docket No.: PZ028P2C1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Ruben et al.

Application No.: 10/849,979

Confirmation No.: 8748

Filed: May 21, 2004

Art Unit: 1646

For: 97 Human Secreted Proteins

Examiner: P. Mertz

**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Applicants hereby direct the Examiner's attention to references AI-BF listed on the attached Form PTO/SB/08a/b. A copy of each of references AI-BF is attached hereto.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 CFR § 1.104(a) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be considered during the prosecution of this application.

Identification of the listed references is not to be construed as an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.704(d), the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application, and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. In particular, the listed references were cited in a Partial European Search Report (reference BF) dated March 23, 2005, in connection with a corresponding European patent application.

Applicants respectfully request that the Examiner review the listed references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine otherwise, please charge the required fee to Human Genome Sciences, Inc., Deposit Account No. 08-3425.

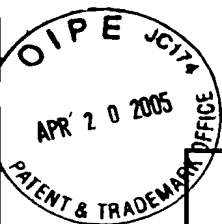
Dated: April 20, 2005

Respectfully submitted,

By 

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/849,979-Conf. # 8748
				Filing Date	May 21, 2004
				First Named Inventor	Steven M. Ruben
				Art Unit	1646
				Examiner Name	P. Mertz
Sheet	1	of	3	Attorney Docket Number	PZ028P2C1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	AI	WO-97/48801	12-24-1997	Genetics Institute, Inc.		
	AJ	WO-97/48800	12-24-1997	Genetics Institute, Inc.		
	AK	WO-97/48799	12-24-1997	Genetics Institute, Inc.		
	AL	EP-0829538-A2	03-18-1998	Wako Pure Chemical Industries, LTD.		
	AM	WO-99/02686	01-21-1999	Boehringer Ingelheim International		
	AN	WO-00/39327	07-06-2000	Human Genome Sciences, Inc		
	AO	EP-1097997	05-09-2001	Sanofi-Synthelabo		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AP	GenBank Accession No. AC002518, CHEN et al., "Homo sapiens chromosome X clone bWXD20, *** SEQUENCING IN PROGRESS ***", 10 unordered pieces," September 2, 1997.	
	AQ	GenBank Accession No. Z95328, BIRD, "Human DNA sequence from clone RP3-447B16 on chromosome Xq13.1-13.3," May 12, 1997.	
	AR	GenBank Accession No. U82207, SMITH, "Homo Sapiens chromosome 10 clone CIT987SK-1119P3 map 10q25.1, *** SEQUENCING IN PROGRESS***, 1 ordered pieces," January 22, 1997.	
	AS	GenBank Accession No. AA238564, MARRA et al., "my35f04.r1 Barstead mouse pooled organs MPLRB4 Mus musculus mRNA for TAG7 protein (MOUSE)," March 6, 1997.	
	AT	GenBank Accession No. H41544, HILLIER et al., "yp71d08.s1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:192879 3', mRNA sequence," August 5, 1995.	
	AU	GenBank Accession No. AA326679, ADAMS et al., "EST29889 Cerebellum II Homo sapiens cDNA 5' end," April 18, 1997.	
	AV	GenBank Accession No. AA348503, ADAMS et al., "EST54964 Hippocampus II Homo sapiens cDNA 5' end, mRNA sequence," April 18, 1997.	
	AW	GenBank Accession No. AI361251, STRAUSBERG et al., "qy42e02.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:2014682 3' similar to WP:R11H6.1 CE12770 YEAST HYPOTHETICAL 52.9 KD PROTEIN LIKE; mRNA sequence," January 7, 1999.	
	AX	GenBank Accession No. AC009704, BIRREN et al., "Homo sapiens chromosome 18, clone RP11-231E4, complete sequence," September 1, 1999.	
	AY	KISHI, "Isolation and characterization of human Nramp cDNA," <i>Biochem Biophys Res Commun</i> 204(3):1074-80 (1994).	
	AZ	JACKSON et al., "Purification and properties of human serum carnosinase," <i>Clin Chim Acta</i> . 196(2-3):193-205 (1991).	
	BA	JACKSON et al., "Homocarnosinosis patients and great apes have a serum protein that cross-reacts with human serum carnosinase," <i>Clin Chim Acta</i> . 205(1-2):109-16 (1992).	
	BB	WILLI et al., "A deletion in the long arm of chromosome 18 in a child with serum carnosinase deficiency," <i>Pediatr Res</i> . 41(2):210-3 (1997).	
	BC	LUNDE et al., "Homocarnosinosis: influence of dietary restriction of histidine," <i>Neurochem Res</i> . 11(6):825-38 (1986).	
	BD	MURPHEY et al., "Serum carnosinase deficiency concomitant with mental retardation," <i>Pediatr Res</i> . 7(7):601-6 (1973).	

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	BE	FLEISHER et al., " Carnosinase deficiency: a new variant with high residual activity," <i>Pediatr Res.</i> 14(4 Pt 1):269-71 (1980).		
	BF	Partial European Search Report, Application No. EP 99 92 1691, mailed March 23, 2005.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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